



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Active module - UM-D37M/16R-240AC/DI/C3/R - 2906906

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



VARIOFACE 16-channel module enhances the capabilities of Honeywell Experion LX digital input IOTA's, enabling the use of (240 V AC) digital input signals with (24 V DC) Experion LX systems

### Why buy this product

- UM-PRO housing
- DIN rail mounting, includes grounding foot
- Designed to be mounted in the right side of the cabinet
- Per channel LED (coil) signal indication
- Per channel pluggable N/O relay
- Provides isolation between 240 V field devices and 24 V controller



### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	600.000 g
Custom tariff number	85369010
Country of origin	United States

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
-------------------------	---

#### Dimensions

Width	184 mm
Height	142.3 mm
Depth	65.2 mm

#### Ambient conditions

## Active module - UM-D37M/16R-240AC/DI/C3/R - 2906906

### Technical data

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

#### Input data

Nominal input voltage $U_N$	240 V AC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Typical input current at $U_N$	3 mA
Typical response time	7 ms
Typical release time	15 ms
Type of protection	Free-wheeling diode
Protective circuit/component	Damping diode
Status display/channel	Yellow LED

#### Output data

Contact type	1 N/O contact (double contact)
Contact material	AgNi, 5 µm hard gold-plated
Maximum switching voltage	30 V AC 36 V DC
Minimum switching voltage	100 mV
Limiting continuous current	50 mA
Min. switching current	1 mA

#### General

No. of channels	16
With components	yes
Mechanical service life	$2 \times 10^7$ cycles
Operating mode	100% operating factor
Color	yellow

#### Connection data for connection 1

Connection name	Field level
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

#### Connection data for connection 2

Connection name	Controller level
-----------------	------------------

# Active module - UM-D37M/16R-240AC/DI/C3/R - 2906906

## Technical data

### Connection data for connection 2

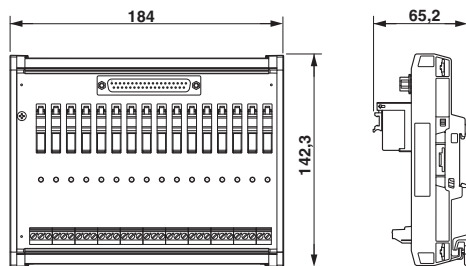
Connection method	D-SUB connector
Number of connections	1
Number of positions	37

### Supported controller

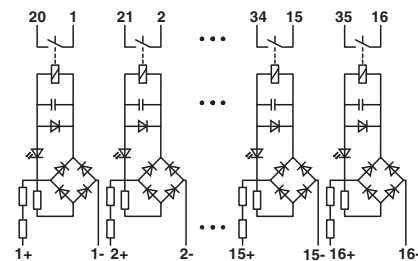
Corresponding control	Honeywell Experion LX Series 8
Corresponding I/O card	8X-TDILA1
	8X-TDILB1

## Drawings

Dimensional drawing



Circuit diagram



## Classifications

### eCl@ss

eCl@ss 5.1	27250313
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

### ETIM

ETIM 5.0	EC002780
----------	----------

## Accessories

Accessories

System cable

## Active module - UM-D37M/16R-240AC/DI/C3/R - 2906906

### Accessories

Cable - CABLE-D37SUB/B/B/ 100/KONFEK/S - 2305509



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 1 m

---

Cable - CABLE-D37SUB/B/B/ 200/KONFEK/S - 2305512



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 2 m

---

Cable - CABLE-D37SUB/B/B/ 300/KONFEK/S - 2305525



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 3 m

---

Cable - CABLE-D37SUB/B/B/ 400/KONFEK/S - 2900759



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 4 m

---

Cable - CABLE-D37SUB/B/B/ 600/KONFEK/S - 2900760



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 6 m

---

## Active module - UM-D37M/16R-240AC/DI/C3/R - 2906906

### Accessories

Cable - CABLE-D37SUB/B/B/ 800/KONFEK/S - 2900761



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 8 m

---

Cable - CABLE-D37SUB/B/B/1000/KONFEK/S - 2900762



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 10 m

---

Cable - CABLE-D37SUB/B/B/1500/KONFEK/S - 2900763



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 15 m

---

Cable - CABLE-D37SUB/B/B/2000/KONFEK/S - 2900764



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 20 m

---

### Necessary add-on products

Front adapters - FLKM-PA-D37/HW/DIO/C300 - 2901423



VARIOFACE front adapter, for Honeywell C300, Series C I/O, maximum of 1 x 16 channels can be connected (37-pos. D-SUB connector). Specifically for connecting digital, redundant I/O cards.

---

## Active module - UM-D37M/16R-240AC/DI/C3/R - 2906906

### Accessories

### Spare parts

Single relay - REL-MR- 60DC/21AU - 2961134



Plug-in miniature power relay, with multi-layer gold contact, 1 PDT, input voltage 60 V DC